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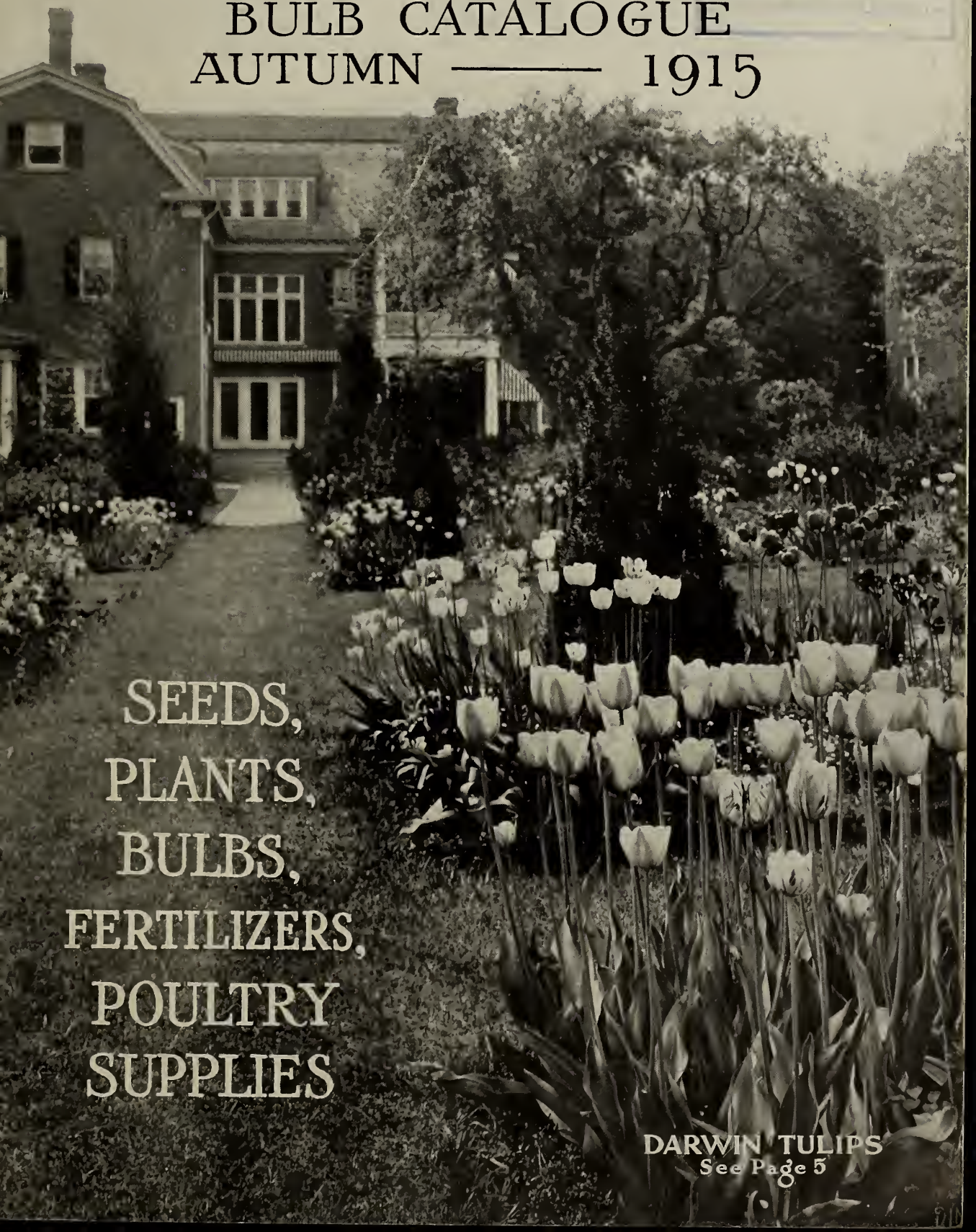
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J. F. NOLL & CO., INC.

ALEX. FORBES - President

115 MULBERRY STREET, NEWARK, N. J.

BULB CATALOGUE AUTUMN ——— 1915



SEEDS,
PLANTS,
BULBS,
FERTILIZERS,
POULTRY
SUPPLIES

DARWIN TULIPS
See Page 5

INTRODUCTION

To Our Customers:

Our Annual Fall Catalogue will be found replete with all that is best in Bulbs, furnishing flowers from Christmas until June, by judicious selection and successive planting. Our Dutch stock—ordered many months ago—is grown by one of the best and most reliable houses in Holland and every care has been taken to have only the best roots, true to description and matured bulbs, shipped us this Fall. As of all merchandise, there are many grades of Bulbs. We have always aimed to furnish the best, believing that it is none too good for our patrons.

We advise early orders. The first importations are always the best and matters are so uncertain in Europe at the present, it seems more than likely that the earliest consignments of Bulbs will be quickly taken up. Our prices will be found as low as compatible with the highest grade of quality obtainable.

We thank you for your past orders and for your recommendations to your friends. Yours respectfully,

J. F. NOLL & CO., Inc.
Autumn, 1915 Alex. Forbes, Pres.

PARCEL POST NOTICE

If goods are wanted by Parcel Post, postage must be added as per table herewith, except for those offered at prices postpaid. Weight limit for 1st and 2nd zones is 50 lbs., all other zones 20 lbs. Size limit for all 84 inches for added length and largest girth.

DOMESTIC PARCEL POST RATES Within the U. S. and possessions				First Pound (over 8 oz. rates 1 lb.)	Each Additional Pound or fraction
First Zone within	50	miles of Newark, N. J.		5c.	1c.
Second " "	50 to 150	" "	" "	5c.	1c.
Third " "	150 " 300	" "	" "	6c.	2c.
Fourth " "	300 " 600	" "	" "	7c.	4c.
Fifth " "	600 " 1000	" "	" "	8c.	6c.
Sixth " "	1000 " 1400	" "	" "	9c.	8c.
Seventh " "	1400 " 1800	" "	" "	11c.	10c.
Eighth " "	all over 1800	" "	" "	12c.	12c.

CULTURAL DIRECTIONS—"Dutch Bulbs"

Garden Culture. The planting of bulbs, such as Hyacinths, Tulips, Narcissi, Crocus, etc., should be done before ground is frozen.

Planting of Hyacinths. The soil should be well dug to a depth of 14 inches, the bulbs should be planted evenly, 8 inches deep, so as to have them in bloom at the same time; in order to do so, excavate 6 inches of the top soil, loosen the foundation of bed, place bulbs 6 inches apart, and press down to depth of bulb. After this is done, put back the excavated soil.

Tulips, Narcissi, Jonquils. Plant 6 inches deep, excavate 4 inches of the soil, same as above.

Crocus and Scillas. A depth of 4 inches is sufficient.

After the ground has been frozen in early Winter, cover with a few inches of dry litter or dry coarse manure.

Pot Culture. For growing in pots a good grade of bulbs should be used. They should be potted singly into 5-inch pots; three bulbs planted in 7-inch pot or pan are very effective; a good potting soil should be used. The pots should be filled lightly and the bulbs pressed into the soil, so that their base is firmly fixed; about one-third of the bulb should remain above the soil, then give a good watering. The pots can then be buried in the open ground to a depth of 6 inches, or put in cellar and covered with sand about 4 inches deep.

Bulbs should remain under this cover as follows: Roman Hyacinths, Paper White Narcissus, Crocus, Scillas, six weeks; Hyacinths, Narcissi, Jonquils, from eight to ten weeks; Tulips, from twelve to fourteen weeks. They may then be taken into the house, but should be protected for the first two days from the extreme rays of the sun.

Where a succession of flowers is desired, it is best to pot at intervals from September to the end of November. Bulbs grown in pots should be kept moist at all times, and before potting pots should be soaked in water and washed clean.

Persons unacquainted with the different varieties, will do well to leave the selection to us, only specifying in their order whether bulbs are wanted for pot or garden culture.

Our Hyacinths and Tulips are sold under names given to them by the originators in Holland, and not under fancy names manufactured in this country.

OUR TERMS ARE ALWAYS CASH WITH ORDER OR SATISFACTORY REFERENCES

How to Remit. You can send your remittance at our risk by Post Office or Express Money Order, New York or Chicago Draft, or by registered letter. We cannot hold ourselves responsible for cash sent loose in letters.

Be sure to sign your name and give your full address on every order you send us. We frequently receive orders without name or address. If you do not hear from your order in a reasonable time write us fully, giving date of mailing, how you remitted and copy of order sent. We will try to trace it.

Prices quoted on Bulbs, Roots, Plants, Farm Seeds, Grass Seeds, Implements, Fertilizers and the like are Net, F. O. B. Newark, N. J., unless quoted otherwise.

Give full directions on all orders to be shipped by freight or express. Give your post-office, also your freight or express office, county and State and advise us whether you wish goods shipped by freight or express.

Please order as early as you conveniently can. We aim to fill all orders promptly. Should there be any cause for delay we will write you stating when we expect to forward.

Guarantee. We give no warranty, express or implied, as to description, purity or productiveness or any other matter of any seeds, plants or bulbs we send out, and will not be in any way responsible for the crop. If purchaser does not accept the goods on these terms they are to be returned at once.

We guarantee that all Plants and Bulbs sent by express will reach you in good, live, growing condition, but not knowing the handling or treatment they will receive after delivery, we cannot guarantee that none will die.

J. F. NOLL & CO., INC., Newark, N. J.

Autumn, 1915.

ALEX. FORBES, Pres.

Order for Bulbs, etc.
FROM
J. F. NOLL & CO., Inc.
(ALEX. FORBES, President)
NEWARK, N. J.

Messrs. J. F. Noll & Co., Inc., give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds, plants or bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

BE SURE TO FILL IN THESE BLANKS

AMOUNT ENCLOSED

Name _____		Postal Money Order, \$ _____
Street, P. O. Box or R. F. D. Number _____		Express Money Order, _____
Post Office _____		Draft, _____
County _____	State _____	Currency, _____
Express or Freight Office If different from P. O. }	_____	Postage Stamps, _____
Ship order by _____		Date _____ 19 _____

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FOR FALL PLANTING

HYACINTHS

Noll's Choice Bedding Varieties Separate Colors, Unnamed

These are much used for outdoor bedding, but can also be utilized for forcing purposes, giving excellent results.

We offer only the best grade of stock, true to color and well ripened bulbs. This should be considered when looking over our prices, as there are many grades of Hyacinths, as well as prices.

SINGLE VARIETIES

	Each	Doz.	100
Rose.....	\$0.05	\$0.50	\$3.75
White.....	.05	.50	3.75
Red.....	.05	.50	3.75
Yellow.....	.05	.50	3.75
Blush White.....	.05	.50	3.75
Light Blue.....	.05	.50	3.75
Dark Blue.....	.05	.50	3.75
All Colors Mixed.....	.05	.45	3.50

DOUBLE VARIETIES

Rose.....	.05	.55	4.00
White.....	.05	.55	4.00
Red.....	.05	.55	4.00
Yellow.....	.05	.55	4.00
Blush White.....	.05	.55	4.00
Light Blue.....	.05	.55	4.00
Dark Blue.....	.05	.55	4.00
All Colors Mixed.....	.05	.50	3.75



Single Hyacinths, Mixed Colors

French Roman Forcing Hyacinths

They are the best and most popular of bulbs. The flowers are delightfully fragrant, and each bulb will throw up from three to four spikes. For forcing, three or four bulbs are generally planted in a 5-inch pot, in good soil (as recommended for other varieties). The pots must be kept in a cool and dark place until they fill with roots, when the flower spikes can be rapidly developed by exposure to light and moderate heat. They are very easily grown and extremely early, and by making successive plantings, they may be had in flower all through the Winter.

Early Roman Hyacinths

	Each	Doz..	100
Single Pure White. Large size..	\$0.06	\$0.60	\$4.50
Single Pure White. Extra large size .....	.07	.75	5.00
Single Blue.....	.05	.50	4.00
Double Dark Rose.....	.05	.50	4.00
White Italian.....	.06	.60	4.50

Grape Hyacinths

These oddly shaped flowers do well either in shade or in exposed positions. They are perfectly hardy and show to best effect, when massed. They can also be used for pot culture, when six bulbs should be planted in a five-inch pot, and the same treatment given as recommended for the others of this family. When planted outside, and not disturbed, they multiply rapidly and increase the yield of flowers every Spring.

	Doz.	100
White.....	\$0.15	\$0.85
Blue.....	.15	.85

HYACINTH GLASSES

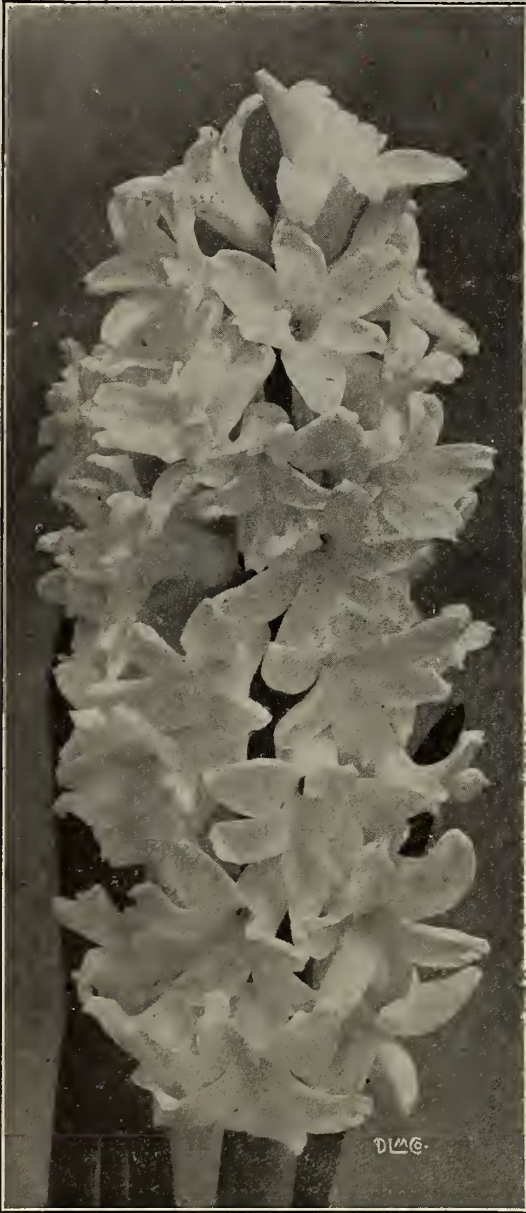
	Each	Doz.
Tall or Belgian Shape, Different Colors.....	\$0.20	\$2.00
Tye Shape.....	.25	2.50



Early Single White Roman Hyacinths

Use our Prepared Potting Soil to attain the best results with bulbs. See page 7

NOLL'S FINEST SINGLE NAMED HYACINTHS



Single Pink Hyacinth; Norma

All our Hyacinths have been grown especially for our order and are first size bulbs, true to name and sure to flower. In comparing prices, remember that our bulbs are all well matured and, under ordinary conditions, cannot fail to give entire satisfaction.

FIRST SIZE

ROSE AND RED

Amy. Carmine; large, compact truss. A free flowerer.
L'Ornement. Rose. Splendid spike.

PINK AND BLUSH

Gertrude. Bright rosy pink; large, erect spikes.
Gigantea. Blush pink, shaded darker; large bells.
Norma. Delicate, waxy pink. One of the most delicate tints to be found in this class.

PURE WHITE

Albertine. Pure snow white.
Elfride. Blush white; an excellent variety.
La Grandesse. Glistening white; extra large heads.
L'Innocence. Pure white; spike compact and massive.

BLUE AND LAVENDER

Charles Dickens. Blue, tinged lilac.
Grand Maitre. Splendid spikes, pure ultramarine blue.
King of the Blues. Dark blue; immense truss.
Marie. Dark blue; large spike. Free bloomer.
Lord Derby. Pale porcelain.

YELLOW

Ida. Bright yellow; large, fine, well-filled truss; a fine forcer.
King of the Yellows. Deep yellow.

Any of the above First Size Named
Hyacinths at 10c. each, \$1.00
per dozen

HOW TO GROW BEAUTIFUL HYACINTHS

In the Open Ground

Plant in the Fall 6 inches apart each way and 8 inches deep. Give them slight protection over Winter, and in the Spring, after the flowers are gone, the bulbs may be removed in time to set your Summer-flowering plants.

In Pots or Window Boxes

Plant the bulb in the pot so that its crown just shows, then set away in a cool, dark place for 8 to 10 weeks for root-growth to develop. After this, bring gradually to the light, heat and air; give plenty of water.

In Glasses

Set the bulb so that the lower end merely touches the water. Put away in a cool, dark place till you see the roots developed, then remove by degrees to full light and air. A piece of charcoal in the water will keep it sweet.

To enjoy the most perfect flowers use our Prepared Soil for pot plants. See page 7

NOLL'S FINEST DOUBLE NAMED HYACINTHS

We only handle first size roots, selected bulbs and bound to bloom. Double Hyacinths are nearly all later than the single in flowering.

FIRST SIZE

ROSE, RED AND PINK

- Bouquet Tendre.** Bright carmine; large, strong, handsome spike.
- Grootvorst.** Extra large; fine, rosy pink; very double; large spike.
- Lord Wellington.** Clear, bright carmine. One of the most beautiful of all.
- Noble par Merite.** Fine dark red; very fine double bells, and forces well.
- Princess Alexandra.** Rosy red, with purplish center; a very free flowerer.

WHITE

- Bouquet Royal.** Pure white; throws a large truss covered with large bells to the top of spike.
- Flevo.** White shaded pink. One of the best for pot culture.
- Isabella.** White, suffused with rose; large spike.
- La Virginite.** Rich, creamy white, delicately shaded to blush; large truss.

BLUE AND LAVENDER

- Blocksberg.** Lovely porcelain blue; large trusses; very beautiful.
- Garrick.** A truly magnificent sort; lovely azure blue flowers in large, compact spikes.
- General Antinck.** Porcelain blue; fine, compact spike of large bells.
- Laurens Koster.** Purplish blue; large, well-topped truss and extra double.
- Mignon de Dryfhout.** Dark blue; semi-double; very floriferous.

YELLOW AND ORANGE

- Jaune Supreme.** Rich, dark yellow tinted with salmon.
- Goethe.** Fine, clear yellow. One of the oldest yellow varieties; good, full spike to the top.

Any of the above First Size Named
Hyacinths at 10c. each, \$1.00
per dozen



Single White Hyacinth, La Grandesse

For a beautiful, velvety, close-turfed Lawn, next year, sow the "Forbes" Lawn Grass NOW See page 11



TULIPS

CULTURE.—The cultural directions given for Hyacinths are equally applicable to Tulips, except that the bulbs, being smaller, must not be planted quite so deep. Six inches to the bottom of the bulb is deep enough, and a distance of 5 or 6 inches between the bulbs is sufficient. They may be planted in October and November before the ground freezes. A little sand around each bulb is generally recommended, but in light, sandy soil this may be dispensed with. For pot culture a compost of two parts loam to one part light manure, with some sand intermixed, is suitable. From three to five bulbs, according to size, in a 5-inch pot, are very effective. The pots should be buried until the bulbs are well rooted, in the manner recommended for Hyacinths. Most of the varieties named below are equally well adapted for pot culture, or the open border.

To assist lovers of Tulips in making their selections with a view of obtaining the best artistic effects in beds, etc., we give, in addition to the color, the heights in inches, and have also indicated the time of flowering by the letter A for early, B for late. To secure a succession of bloom, the period of flowering is a matter of importance; likewise the heights to which the different varieties attain is necessary to have a uniform display in beds.

NOLL'S NAMED EARLY SINGLE TULIPS

		Doz.	100
10 B	Artus. Rich scarlet, splendid bedder.....	\$0.25	\$1.50
9 A	Belle Alliance. Crimson scarlet; fine forcer and bedder.....	.35	2.25
10 A	Canary Bird. Pure yellow; fine for forcing.....	.25	1.50
9 A	Chrysolora. Splendid, golden yellow; good forcer or bedder.....	.30	1.75
10 B	Cottage Boy. Orange red, bordered yellow; a fine bedder.....	.35	2.50
10 B	Cottage Maid. Rosy pink, striped white; good forcer or bedder.....	.25	1.50
8 A	Crimson King. Bright crimson; fine bedder.....	.25	1.50
14 B	Duchesse de Parma. Orange scarlet, with yellow edge; very large, fine flower.....	.30	1.75
12 B	Gold Finch. The pure yellow Golden Prince; splendid bedder.....	.30	1.75
14 B	Grace Darling. Large orange scarlet, with dark blue center.....	.50	3.50
14 B	Keizerskroon. Crimson scarlet, yellow border; fine forcer or bedder.....	.35	2.00
12 B	La Reine. White, suffused with delicate pink.....	.25	1.50
12 A	Pottebakker. White, large, showy flower; excellent forcer and bedder.....	.35	2.50
11 A	Proserpine. Extra rosy carmine; good forcer.....	.50	3.50
10 A	Queen of the Whites. Excellent pure white.....	.30	1.75
9 B	Rose Luisante. Deep rose; extra fine and showy.....	.40	3.00
9 B	Rose Gris de Lin. Delicate rose, flushed white; fine forcer and bedder.....	.25	1.50
14 B	Thomas Moore. Bright orange, shaded scarlet; very effective.....	.30	1.75
10 B	Wouverman. Rich, dark purple.....	.65	5.00
	Noll's Special Superb Early Single Mixed.....	\$9.00 per 1000	.15 1.00

NOLL'S NAMED EARLY DOUBLE TULIPS

10 B	Alba Maxima. The finest double white early.....	.30	1.75
9 B	Duke of York. Red, edged white; very showy.....	.30	1.75
12 B	Imperator Rubrorum. Splendid, bright scarlet, yellow base.....	.35	2.75
10 B	La Candeur. Pure white; fine bedder.....	.30	1.75
10 B	Murillo. Delicate blush pink; fine for forcing.....	.30	1.75
10 B	Rubra Maxima. Dark, dazzling scarlet; good forcer and bedder.....	.35	2.50
9 A	Salvator Rosa. Beautiful deep rose; a fine bedder.....	.35	2.75
11 A	Tournesol. Rich scarlet, edged yellow.....	.35	2.50
11 A	Tournesol Yellow. Bright yellow, slightly shaded orange.....	.40	3.00
	Noll's Special Superb Early Double Mixed.....	\$10.00 per 1000	.20 1.25



DARWIN TULIPS

(See illustration on front cover)

We strongly recommend this class of Tulips for garden decoration in beds, as well as in groups in the herbaceous border and amongst shrubs. Grown for cut flowers, they will prove very valuable at a time when our gardens yield so little to decorate our rooms. They flower about the middle of May, a time in which the Spring flowers are over and the Summer flowers have not yet come in. They last a very long time when cut.

By slowly forcing in pots, they may be had in bloom in March or even earlier. Most of the varieties improve in color by protection under glass or canvas.

We have given the approximate height of each variety.

	Doz.	100		Doz.	100
Anton Roozen. Rose pink with white, base marked blue. 23 in.....	\$0.60	\$4.00	Farncombe Sanders. Fiery scarlet. The best red. 25 in.....	\$1.00	\$6.00
Kate Greenaway. White and lilac. Perfect shape. 24 in.....	.35	2.50	Clara Butt. Soft, rosy pink, good forcer. 21 in.....	.55	3.75
Margaret (Gretchen). Blush white, center blue. 24 in.....	.35	2.50	Flamingo. Delicate flesh, tinted rose. 25 in.....	1.25	9.00
Loveliness. Extra fine carmine rose. 21 in.....	.35	2.50	Nauticus. Cerise rose; center dark violet. 30 in.....	.50	3.50
The Sultan. Glossy maroon black. 21 in.....	.35	2.50	All colors mixed, containing all the most desirable shades, 30c. per doz., \$1.75 per 100.		
Massachusetts. Light rose and white center. 26 in.....	.60	4.00			

MAY-FLOWERING SINGLE TULIPS

We have made a selection of the most desirable varieties in this class, and they deserve a place in every garden, lengthening, as they do, the flowering period of the year. Some of the most delicate shades are found in this family of late-flowering Single Tulips, as well as some of the most brilliant. All are long and stiff-stemmed, and are admirably adapted for cutting purposes.

	Doz.	100		Doz.	100
Bridesmaid. Cherry rose, flaked white. \$0.25	\$1.50		Inglescombe. Rose pink with salmon sheen.....	\$0.35	\$2.50
Gesneriana Major. Scarlet with blue base.....	.30	1.75	Inglescombe. Rich yellow, perfect form. 18 in.....	1.00	7.00
Picotee (Maiden's blush). White with rose edge.....	.30	1.75	Inglescombe. Scarlet vermillion with black base.....	.60	4.00
Golden Eagle. Golden yellow.....	.30	1.75	Single Late Mixed. All the choicest colors.....	.30	1.75
Miss Helen Willmott. Primrose yellow 1.00	7.00		Bizarre's Mixed Colors and Shades...	.25	1.50
La Merveille. Salmon rose; a very delicate shade.....	.35	2.50	Bybloemen Mixed Colors and Shades.	.30	1.75

PARROT TULIPS

This class of Late-Flowering Single Tulips is very suitable for cutting purposes. The flowers are very quaintly shaped and are borne on long stems and remain in good condition for a long time after being cut. A vase filled with these flowers gives a very artistic effect in house decorations.

	Doz.	100		Doz.	100
Constantinople. Light red.....	\$0.35	\$2.50	Monstre Cramoise. Deep crimson....	\$0.35	\$2.50
Lutea Major. Yellow.....	.35	2.50	All Colors Mixed. Made up from named varieties.....	.30	1.75
Markgraaf von Baden. Yellow and scarlet.....	.35	2.50			

CROCUS

For pots and borders. A universal favorite, being one of the earliest flowers seen in the Spring. They are neat, dwarf and compact in growth, and the blooms are of bright colors. If planted closely—say 2 inches apart—and 3 inches deep, they make a very pretty display immediately after the snow goes off in the Spring. Do not disturb for several years. Should be largely planted in the grass on lawns. They will flower very early in Spring before mowing. The effect is beautiful. For flowering in pots, baskets, etc., they should be plunged in the open ground for three weeks after planting, precisely in the same manner as directed for Hyacinths.

	Doz.	100	1000
King of the Blues. Dark blue..	\$0.15	\$1.00	\$8.00
Madame Mina. Violet and white	.15	1.00	8.00
Mont Blanc. Pure white.....	.15	1.00	8.00
David Rizzio. Large purple.....	.15	1.00	8.00
White. Mixed shades.....	.10	.50	4.50
Blue. Mixed colors.....	.10	.50	4.50
Purple. Mixed colors.....	.10	.50	4.50
Striped and Variegated. Mixed.	.10	.50	4.50
Cloth of Gold.....	.15	1.00	8.00
Cloth of Silver.....	.15	1.00	8.00
Yellow. First size.....	.15	.75	5.00
Yellow Mammoth.....	.20	1.25	10.00
Mixed. All colors.....	.10	.50	4.00

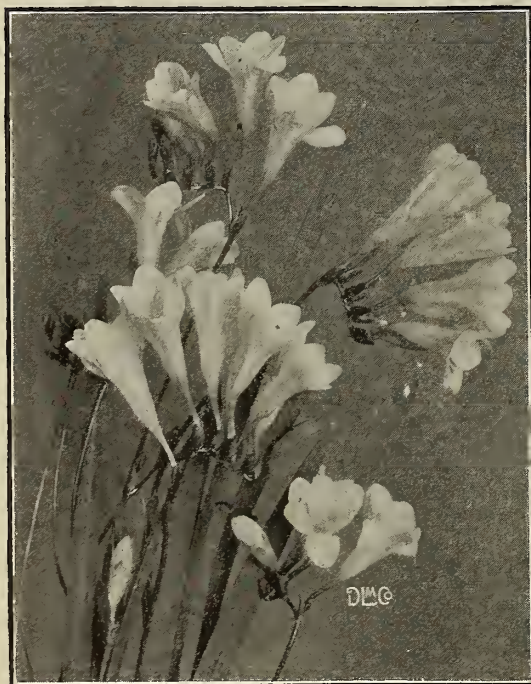


Crocus Mont Blanc

FREESIA

If wanted by mail, add 3c. per doz., or 15c. per 100, for postage

The justly popular Freesias are greatly prized for the delightful fragrance of their delicately colored flowers, which, when cut, will remain in good condition for a long time in water. They are easily grown or forced in good loamy soil, with an admixture of leaf-mold and sand, in a frame or greenhouse, and are excellent for window culture in Winter. For the information of all not acquainted with these bulbs, we may say that they are quite small, but produce large blooms in comparison to their size.



Freesia

	Doz.	100
Refracta alba. Large size.....	\$0.25	\$1.75
Purity. Monster bulbs.....	.50	3.00

JONQUILS

	Doz.	100
Campernelle. Large yellow.....	\$0.20	\$1.00
Rugulosus. Very fragrant; the largest		
Jonquil.....	.30	1.75
Double Sweet scented (True Double		
Jonquil) Fancy bulb; fine, deep yellow.	.35	2.50
Single Sweet-scented. Deep yellow;		
very free.....	.20	1.00

CYCLAMEN GIGANTEUM

THE GIANT-FLOWERING PERSIAN CYCLAMEN

Each bulb throws up several flower stalks which continue to bloom several months. The flowers are beautiful, and range in color through many shades of pink, crimson and white; the leaves are also finely variegated. **Finest Colors, mixed, 15c. each, 3 for 40c., postpaid.**

AMARYLLIS

VITTATA HYBRIDS. These are grown specially for us and contain a remarkable range of colors from self pure white to darkest crimson, or flaked and striped. These are easily grown. 40c. each, \$4.00 per doz., \$8.00 per 25, \$30.00 per 100.

	Each	Doz.	100
Johnsoni (Bermuda Spice Lily).....	\$0.25	\$2.50	\$17.50
Large bulbs.....	.10	.60	4.50
Formosissima (Jacobean Lily).....	.10	1.00	7.50
Belladonna Major.....	.20	2.00	15.00
Valotta purpurea.....	.10	.75	6.50
Sternbergia lutea			

To have the best results from your flowering bulbs use our Prepared Potting Soil. See page 7.

NARCISSI AND DAFFODILS

DOUBLE VARIETIES

	Doz.	100
Alba plena odorata. White.....	\$0.20	\$1.25
Von Sion. Yellow. Double-nosed bulbs.	.40	2.75

SINGLE VARIETIES

Bicolor Princeps. Trumpet pure yellow, perianth sulphur white, extra size..	.30	1.75
Golden Spur. Pure yellow. Mother bulbs.....	.45	3.00
Emperor. Pure yellow. Large.....	.45	3.00
Empress. Trumpet yellow, white perianth. Fine variety.....	.40	2.50
Trumpet Major. Pure yellow.....	.25	1.50
Poeticus Ornatus. White cup margined with scarlet.....	.20	1.00
Poeticus. (Pheasant's Eye.) Same as above but not quite as large.....	.20	1.00
Paper White Grandiflora. Extra size...	.30	1.75
Sir Watkin. Golden crown, primrose perianth; the largest of all.....	.45	3.00
Cassandra (Poeticus). Flowers of fine substance, with broad white perianth, cup deeply rimmed dark red. Each 15c.	1.50	
Mrs. Langtry. White perianth, white cup edged yellow.....	.25	1.50



Chinese Sacred Lily



Narcissus Emperor

THE WATER FAIRY, or "SHIN SIN FAR"—Chinese "Joss Flower"

The genuine Chinese Sacred Lilies, grown for us in China. Each bulb sends up several flower stems, bearing great clusters of deliciously fragrant, pure white, wax-like blossoms, with golden yellow centers. They are usually grown in a bowl of water with pebbles to hold the bulbs in place. Roots should be well started by setting the bulbs when planted in a dark place for two or three weeks before bringing gradually to the light.

By planting at intervals you can have a succession of bloom all Winter. 10c. each, \$1.00 per doz.

Prepared Potting Soil

To meet the large demand for a practically prepared potting soil, we offer such at the prices below for the use of our customers who are anxious to obtain the best results. This soil has been carefully made up of the necessary ingredients in the correct proportions for bulb potting purposes and is a properly balanced soil mixture which insures success. Prices: 4 qts. 25c., peck 40c., bushel \$1.00, per barrel (2½ bushels) \$2.00.

HARDY LILIES

The Lilies and the Irises may be considered the most beautiful of our hardy garden flowers, yet the Lilies undoubtedly are the more popular—for they are found in the little country dooryard as well as in the millionaire's formal garden. The nodding flowers of *Lilium speciosum* add to the beauty of the simplest gardens, while the rich colors and the sweet perfume of all the varieties bring every visitor to marvel at their purity and loveliness.

All varieties, other than *Candidum*, the latter part of November.

	Each	Doz.
Candidum. "The Annunciation Lily." Immaculately white and fragrant. Large bulbs (ready in August for delivery)....	\$0.15	\$1.50
Auratum. "The golden-banded Lily of Japan." One of the most favorite sorts and deliciously sweet. Large sized bulbs.....	.25	2.50
Speciosum album. White, extra size..	.25	2.50
Speciosum rubrum. Rose, extra size..	.25	2.50
Speciosum Melpomene. A Japanese gem	.25	2.50
Tigrinum fl. pl. Double Tiger Lily.....	.15	1.50
Tigrinum Simplex. Single Tiger Lily..	.10	1.00
Umbellatum erectum. Dark red and orange.....	.15	1.50

The above are all perfectly hardy after the first Winter outside, but require light protection the first season.



Bermuda Easter Lily



Lilium Auratum

LILIUM HARRISII

Ready now

The celebrated Bermuda Easter Lily

There is more of it sold than the rest of the Lilies combined. It is much in evidence at Easter when it is used most extensively for church decoration. It is absolutely white and very full of perfume. It is easily grown and should be included in every bulb order, no matter how small. We handle two sizes of this variety and they are both flowering roots.

	Each	Doz.	100
First Size , 5 to 7 in. in circum....	\$0.10	\$1.00	\$7.00
Large Size , 7 to 9 in. in circum....	.20	2.00	14.00

CONVALLARIA (Lily of the Valley)

Majalis. Pure white flowers, 8 to 10 in. May, June.

Large, field-grown clumps, 25c. each, \$2.50 per doz.

Berlin Pips. Per bundle of 25 \$1.00, \$2.50 per 100; \$20.00 per 1000; ready for delivery in November.

Cold Storage Hamburg Pips. Prices on application. See cut, page 9.

Use our "Prepared Potting Soil" for your Bulbs. Results will surprise you. See page 7.

MISCELLANEOUS BULBS



Convallaria, Lily of the Valley

ANEMONE, or WINDFLOWER (Ready in September)

Very ornamental, hardy perennials, producing beautifully colored flowers in Spring and Summer. They do best in rich soil and in a sheltered and well-drained position. Plant in Autumn. May also be grown in pots or forced in frames for early flowers.

	Doz.	100
Choice Single. Mixed colors.....	\$0.15	\$1.00
Choice Double. Mixed colors.....	.25	1.50

ALLIUM

Alliums are hardy, early-flowering and very floriferous. All the varieties are useful as cut flowers.

	Doz.	100
White	\$0.15	\$1.00
Yellow .....	.15	1.00

BABIANA

The best way is to plant six bulbs in a five-inch pot, with plenty good drainage.

	Doz.	100
Mixed Sorts	\$0.40	\$2.75

CALLA

The "Lily of the Nile" is particularly well suited for house culture but none of this family is hardy. They bloom in a short time after potting.

	Each	Doz.
Black	\$0.15	\$1.50
Yellow .....	.30	3.00
Red .....	.15	1.50
White. (Lily of the Nile) .....	.20	2.00

CHIONODOXA (Glory of the Snow)

The bulbs are very small and to secure the best results, six roots should be planted in a five-inch pot. Used for bordering in combination with Scillas they are very useful.

	Doz.	100
Luciliae. First size cultivated bulbs....	\$0.15	\$1.00
Sardensis. First size bulbs.....	.15	1.00

BEGONIAS—TUBEROUS-ROOTED

These do best in a shady position. Have the soil rich, which serves to make them more profuse in blooming.

Single Flowering. Scarlet, pink, orange and white.
Each 10c., 3 for 25c., doz. \$1.00, postpaid.

Double Flowering. Scarlet, pink, white and orange.
Each 15c., 3 for 40c., doz. \$1.50, postpaid.

CROWN IMPERIALS (*Fritillaria imperialis*)

	Each	Doz.
Aurora. Red.....	\$0.15	\$1.50
Sulphureus. Yellow.....	.20	2.00

DIELYTRA, or DICENTRA

Ready in November. A very popular old-fashioned plant, bearing heart-shaped flowers of a beautiful rose and white combination. The flowers are borne on long, pendulous stems and the effect is very pretty.

	Each	Doz.
Spectabilis (Bleeding Heart).....	\$0.15	\$1.50

IRIS (Fleur-de-lis)

Ready in October and November

Irises are of easy culture. They do best in a light rich, sandy soil, and in a sunny situation. Good drainage is important.

	Doz.	100
English. All colors mixed.....	\$0.30	\$1.75
Spanish. All colors mixed.....	.10	.60

OXALIS (Winter Flowering)

A very pleasing class of small Bulbs, producing vast quantities of brilliant flowers during the Winter months. They are easily grown in pots or hanging baskets.

Buttercup. Bright yellow

Grand Duchesse, Grandiflora Alba (White),
Lavender, Pink. 3 for 10c., doz. 30c., 100 \$1.75.



English Iris

IXIAS**Ready in October****If wanted by mail, add 3c. per doz., or 15c. per 100, for postage**

The Mixed Hybrid Ixias are so beautiful and rich in tints that no lover of flowers should be without them. They are equally adapted for pots or the open ground, exceedingly free flowering, and invaluable for cutting. If planted out, they require rather more covering during Winter than Hyacinths. In pots their culture is the same as that usually recommended for other bulbs. By reason of their curious forms and strange coloring, the Ixias attract much attention.

Mixed colors. Doz. 15c., 100 \$1.00.**MONTBRETIA**

One of the most satisfactory Summer-flowering bulbs. When used for clumping they give the best results.

	Doz.	100
Mixed Colors	\$0.15	\$1.00

ORNITHOGALUM

Very useful for pot culture. Is in great demand by florists, forcing it for cut flowers.

	Each	Doz.	100
Arabicum (Star of Bethlehem)...	\$0.05	\$0.50	\$3.50

GLOXINIA

Crassifolia erecta. White, red,	Each	Doz.	100
blue and spotted; separate colors	\$0.15	\$1.00	\$7.50

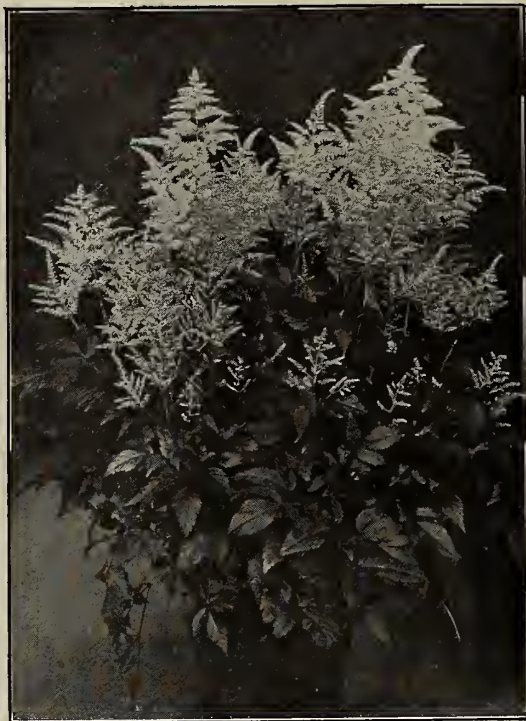
OXALIS. See page 9.**SCILLA****Ready in September****If ordered by mail, add 5c. per doz. for postage**

All are quite hardy, and may remain in the ground several years. The effect in early Spring of the intensely rich blue, early-flowering Scilla, contrasting with the snow white of the Snowdrop and the varied hues of the Crocus, is very striking; most valuable for permanent edging, or planted in bunches of a dozen or so.

	Doz.	100
Sibirica. Blue. Extra large bulbs.....	\$0.15	\$1.00
Sibirica alba. White-flowered variety		
of the above.....	.25	1.50



Snowdrops



Spiraea Japonica

SPARAXIS

These are not hardy, but do well in the conservatory or window garden. They resemble Ixias, but are freer flowerers, and bolder in habit.

	Doz.	100
Choice Mixed	\$0.15	\$1.00

SPIRÆA, or ASTILBE**Ready in November**

Tall, graceful, branching, herbaceous perennials, thriving in rich soil and damp positions. Those we list are extensively used for forcing for Winter decorative purposes, for which they are eminently adapted, either as cut flowers or in pots for window and table decoration. They should be potted when received and buried outside till they begin to form roots. They may then be taken in and forced as required. They require abundance of water.

	Each	Doz.
Japonica	\$0.15	\$1.50
Gladstone.....	.25	2.50
Queen Alexandra.....	.25	2.50

SNOWDROPS (Galanthus nivalis)**Ready in September****If wanted by mail, add 3c. per doz., or 15c. per 100, for postage**

Perhaps no Spring flower is a more general favorite than the Snowdrop. The earliest flowering of its varieties is the common single sort, which is also very graceful and beautiful, commencing to bloom before the snow is fairly off the ground in Spring. This is succeeded by the double-flowered variety, with its elegant drooping, snow-white blossoms. Should be planted 2 to 3 inches deep in a shady location.

Single-flowering Snowdrops (Elwesii).	15c. per doz., \$1.00 per 100, \$7.00 per 1000.
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Double-flowering Snowdrops.	25c. per doz., \$1.75 per 100, \$13.00 per 1000.
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NOLL'S SHADY PLACE MIXTURE FOR SHADY SPOTS

LAWN GRASS SEED

OUR MIXTURES ARE UNSURPASSED

How and When to Sow. The soil should be rich and carefully prepared by being well pulverized. Sow the seed when the ground is fairly moist—but not too moist—and roll after seeding, if possible. If any re-seeding is done, do it before rolling. All Lawns are much benefited by frequent mowing, but do not cut too close in hot, dry weather or about the time the ground freezes. One quart will seed 300 square feet. Five bushels will seed an acre of new ground; about half these quantities for re-seeding or renovating after the ground has been scratched with a rake or otherwise prepared. The time to sow Lawn Grass Seed is in Spring or Fall.

Change from Weight to Measure. While selling Lawn Grass Seed by weight has much in its favor, there is such a great demand for it by measure that we have decided to put it on sale by the quart, peck and bushel, and hope to continue this in future for the convenience of our customers.

As there is no standard weight per bushel for Lawn Grass Seed in the United States, we would mention that our Lawn Grass Seed weighs 20 lbs. to the bushel, so that those who still prefer to buy by weight can base their calculations in this way.

FREE DELIVERY OF LAWN GRASS MIXTURES. While we cannot deliver free of transportation all the goods we offer, yet we will do so in the case of Lawn Grass Mixtures.

From now on, therefore, we will deliver our Lawn Grass Mixtures free of transportation in the United States, by mail, express or freight, at our option, at the prices mentioned in this catalogue.

We will be pleased to correspond with any one wishing advice in the formation of Lawns and Golf Courses.



PRICE THE SAME

QUALITY INCREASED

SALES DOUBLED

THE "FORBES" LAWN GRASS SEED

See Illustration Back Cover

We claim and know that the "**FORBES**" Lawn Grass is the cleanest, thriftiest and most verdant on sale today. Letters from our customers in many parts of America corroborate our statement, and the increased sales of last year prove the superiority of our seed over all others, for quickest and most permanent results. The cost of seed to the purchaser should be to thinking customers of the least consideration. Our "**FORBES**" Lawn Grass is composed only of dwarf, evergreen, perennial, thick-swarding sorts of the choicest quality and perfectly hardy—blended in such proportions as to secure an even turf and an everlasting verdure.

Nothing is more pleasing to the eye than a good lawn, be it large or small, in the millionaire's property or in the yard of the cottager, and this can only be had by sowing the "**FORBES**" at a trifling cost. In compounding this mixture, the expense to ourselves has been slightly considered in our endeavor to offer for sale the best procurable, and we are satisfied we have succeeded in listing the purest Lawn Grass Seed ever catalogued.

PRICE, per qt. 30c., 4 qts. \$1.00, peck \$1.75, bushel of 20 lbs. \$6.00.

DELIVERED FREE OF TRANSPORTATION in the U. S. by mail, express or freight, at our option.

BRANCH BROOK PARK LAWN GRASS SEED

Named after one of our large city parks where it has been used for a number of years. To customers who do not wish our highest priced mixture, we can recommend this brand, as it is deservedly popular. Will produce a fine lawn in 6 to 8 weeks. PRICE, per qt. 25c., 4 qts. 85c., peck \$1.50, bus. of 20 lbs. \$5.00.

DELIVERED FREE OF TRANSPORTATION in the U. S. by mail, express or freight at our option.

NOLL'S SHADY PLACE GRASS SEED

This mixture contains a majority of Grasses suitable for growing in shady places. Produces an excellent turf in a short time. **PRICE: Per qt. 30c., 4 qts. \$1.00, peck \$1.75, bus. of 20 lbs. \$6.00.**

NOLL'S TERRACE GRASS SEED

Compounded from quick-growing Grasses which produce a network of long roots, which grow to a good depth, preventing washing out, etc. This brand is sure to satisfy. **PRICE: Per qt. 30c., 4 qts. \$1.00, peck \$1.75, bus. of 20 lbs. \$6.00.**

NOLL'S GRASS MIXTURE FOR GOLF COURSES

We will be pleased to hear from Greens Committees and advise them as to the best methods to attain satisfactory results. We have made a close study of Grasses and are willing at all times to give our clients the benefit of our knowledge and experience. We claim to be specialists in this line and invite correspondence.

Our "Putting Green" Grass Seed Valuable for sowing new greens and renovating old ones. **Lb. 30c., 100 lbs. \$26.00.**

Our "Fair Green" Grass Seed Equally valuable for sowing new greens and renovating old ones. **Lb. 28c., 100 lbs. (enough for an acre) \$24.00.**

NOLL'S PERMANENT PASTURE AND HAY MIXTURE

A mixture of varieties which will form a permanent pasture, which lasts for years. May be used for hay crop one season and for pasture the next season. Sow on new land which has been plowed and harrowed, at the rate of 50 lbs. per acre. On ground partly covered with Grass, 30 pounds per acre. **PRICE: Bus. of 14 lbs. \$2.70, 50 bus. \$2.60 per bus., 100 bus. \$2.50 per bus.**

MIXED PERMANENT CLOVERS should be sown in addition to the above grass mixture, but on account of their weight, the Clovers should be sown separately in the Spring. This Clover Mixture comprises White, Mammoth or Pea Vine, Alsike, etc. Sow 10 lbs. per acre. **PRICE: Lb. 35c., 100 lbs. \$30.00.**

GRASSES AND CLOVERS

Note.—Prices given below are net figures September 1, 1915, and are subject to market changes.

We carry at all times a full line of natural Grasses and Clovers and are glad to submit prices and samples on request. Our Spring Seed Catalogue contains a complete descriptive list of these Grasses and Clovers.

We endeavor to supply only the best grades of all Grasses and Clovers. Please bear this in mind when comparing our prices with those of others. There are many grades, and prices are often far apart. We have only one grade, "the best."

KENTUCKY BLUE GRASS (*Poa pratensis*). One of the best Grasses grown. Does well everywhere. Desirable for lawns. 60 pounds per acre. **Lb. 25c., 100 lbs. \$22.00.**

RED TOP, or HERD GRASS (*Agrostis vulgaris*). One of the best permanent Grasses. Makes good pasture; valuable also for hay. 32 pounds per acre. **Fancy, free from chaff. Lb. 40c., 100 lbs. \$36.00.**

RED TOP, or HERD GRASS. Same as above, except it is in chaff. Weighs only 14 pounds per bushel. 50 pounds per acre. **Lb. 22c., 100 lbs. \$20.00.**

TIMOTHY (*Phleum pratense*). The most popular of all for hay. Planted in all sections. If planted alone, 35 to 40 pounds per acre, less if with other Grasses. **Lb. 14c., 100 lbs. \$12.00.**

SCARLET, OR CRIMSON CLOVER. Selected and Recleaned. (*Trifolium incarnatum*). Used largely as a soil enricher. Sown in the Fall and plowed under in Spring it is a very valuable green manure. It roots deeply and places in the soil an abundance of nitrogen. Sow 15 to 20 pounds per acre. **Lb. 16c., 100 lbs. \$14.00.**

WHEAT. Giant Winter

A very popular sort for Fall sowing. It is unusually prolific and yields under adverse conditions large crops. The straw grows abundantly, is stout and does not tend to lodge. For all-round Winter use, this variety is best adapted. Sow $1\frac{1}{2}$ to 2 bushels per acre. Price, per peck, 75c.; per bushel of 60 lbs. \$2.40.

RAPE. Dwarf Essex

Fine for sheep pasture; valuable as a soil enricher. Plant in drills at the rate of 3 lbs. per acre, broadcast 5 lbs. per acre. Can be planted alone or with other forage crops. **Lb. 16c., 10 lbs. \$1.50, 25 lbs. \$3.50, 100 lbs. \$12.00.**

WINTER RYE

This is the variety used largely for Autumn sowing as it is perfectly hardy, and furnishes much nourishment to the soil, if plowed under in early Spring. Use $1\frac{1}{2}$ to 2 bushels per acre. **Bus. (56 lbs.) \$1.90, 10 bus. (560 lbs.) \$18.00.**

VETCHES, or TARES, Winter, Hairy or Sand Vetch

(*Vicia villosa*)

Usually planted in Fall, is hardy and enormously productive; a fine cover crop. Plant alone, 1 bushel per acre, or with Rye, $\frac{3}{4}$ bushel of Vetch and $\frac{1}{2}$ bushel of Rye per acre. Cut for forage before seed sets, it will produce a second crop on same ground. **Lb. 25c., bus. (60 lbs.) \$14.00, 100 lbs. \$22.00.**



Red Top

HUMUS—This is the best top dressing for Lawns in Fall. See page 13.



Winter Vetch

HIGH GRADE RELIABLE FERTILIZERS

NOLL'S PERFECTION LAWN DRESSING. For best results apply during Spring and Fall months. Helps the lawn to withstand the hot weather spells. We sell a very large quantity of this yearly. Use 100 lbs. to 4000 sq. ft. Price, 5 lbs. 25c. (P. P. 6 lbs.), 10 lbs. 40c. (P. P. 11 lbs.), 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.25, ton \$42.00.

NOLL'S COMPLETE GARDEN FERTILIZER. Best for general use, such as garden vegetables, fruit vines and trees, etc. Will increase your yield and better crops will result. Use 100 lbs. to 4000 sq. ft. Price, 5 lbs. 25c. (P. P. 6 lbs.), 10 lbs. 40c. (P. P. 11 lbs.), 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.50, ton \$45.00.

BONE MEAL (PURE GROUND). Slower to decompose than most fertilizers, but more lasting, giving up nitrogen to the soil. Excellent for Roses. No danger of burning the plants if used carefully. For top dressing, $\frac{1}{2}$ to 1 ton per acre. For garden crops, $\frac{3}{4}$ to 1 ton per acre broadcasted and harrowed in. For Rose beds or plants, 1 part to about 50 of soil. Price, 5-lb. pkg. 25c. (P. P. 6 lbs.), 10-lb. pkg. 45c. (P. P. 11 lbs.), 25-lb. bag 85c., 50-lb. bag \$1.50, 100-lb. bag \$2.75, ton \$42.00.

CANADA UNLEACHED HARDWOOD ASHES. Excellent top dressing for lawns and fruits, driving away insects as well as fertilizing. Use 1000 lbs. to 1 ton to the acre. Price, 5-lb. pkg. 25c. (P. P. 6 lbs.), 10 lbs. 35c. (P. P. 11 lbs.), 25 lbs. 60c., 50 lbs. \$1.00, 100 lbs. \$1.75, 500 lbs. \$7.50, ton \$24.00.

HUMUS. A great soil regenerator and plant food. Rich in nitrogen, moisture retaining, and odorless. Free from weed seed as it is mined far beneath the surface of the earth. The very best material for top

dressing lawns, and for indoor use in conservatories, flower boxes and pots. When renovating old lawns, leveling up, and top dressing new lawns, use 1 part Humus to 2 or 3 parts of good soil. The most popular article for top dressing, and, judging from our sales, is giving complete satisfaction. Price, per carton 25c., per 100-lb. bag \$1.00, per ton \$14.00. Give this a trial and watch the result.

LIME (HYDRATED AGRICULTURAL). Used to correct acid soils, also to hold sandy soil together, thus making it retain more moisture. Lime also breaks up clay soils, making them easy to till. Use 1 ton to the acre. Price, 50-lb. bag, 60c., 100-lb. bag \$1.00, per ton \$14.00.

NITRATE OF SODA. Valuable for the nitrogen it contains. Is an excellent stimulant, and is used in addition to other fertilizers. Is quick in action, hastening crops to maturity. Applied after plants are above the ground by dusting or by trenching. Use 100 to 500 lbs. per acre. As a liquid, 5 lbs. to 80 gals. of water. (Not mailable.) Price, 5 lbs. 35c., 10 lbs. 60c., 25 lbs. \$1.25, 100 lbs. \$4.00, 200 lbs. \$7.00, ton \$65.00.

SHEEP MANURE. The most popular article for general fertilizing purposes. This is a high-grade manure dried and pulverized, giving lasting results. Can be applied by diluting in water or mixing with soil. Used for garden crops, 1 to 2 tons per acre, half before plowing and balance before harrowing. For top dressing grass, 1 ton per acre, applying in Fall or early Spring. Excellent for house plants, as well as outdoor plants. Price, 5 lbs. 25c. (P. P. 6 lbs.), 10 lbs. 40c. (P. P. 11 lbs.), 25 lbs. 80c., 50 lbs. \$1.25, 100 lbs. \$2.00, ton \$30.00.

POULTRY FOODS

We list and sell only the highest grades of poultry foods, etc., and sell at prices as low as is consistent with quality. Our new "Economy Brand" Scratch, Mash, Chick, Pigeon and Developing Foods are typical of the high standard we have set. All prices below are subject to change without notice, being based on market conditions, and are for goods not prepaid. (We deliver free as on page 14.)

NOLL'S "ECONOMY BRAND" SCRATCH FOOD. Compounded from good, sweet, clean grains only; a perfectly balanced egg ration, suitable for feeding the year round, thus insuring a healthy, hardy flock of birds. There is no substitute for Scratch; it is indispensable. We have more than doubled our sales on this Scratch Food and consider this our best testimonial. Prices, 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.30, 100 lbs. \$2.45, 500 lbs. \$12.00, 2000 lbs. \$47.00.

NOLL'S "ECONOMY BRAND" MASH FOOD. Not a grain mixture only, but containing the correct percentage of animal and vegetable protein, and a small amount of fat. The correctly balanced ration for laying fowls, giving a heavy production of fertile eggs. Prices, 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.30, 100 lbs. \$2.45, 500 lbs. \$12.00, 2000 lbs. \$47.00.

NOLL'S "ECONOMY BRAND" CHICK FOOD. Safe and nourishing food for young chicks just out of the shell, and will carry them right along until maturity. Prices, 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.40, 100 lbs. \$2.65, 500 lbs. \$13.00, 2000 lbs. \$50.00.

NOLL'S "ECONOMY BRAND" PIGEON FOOD. A balanced grain ration, very popular with pigeon fanciers, producing large squab, with fine, light-colored meat. Prices, 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 85c., 50 lbs. \$1.60, 100 lbs. \$3.00, 500 lbs. \$14.75, 2000 lbs. \$56.00.

NOLL'S "ECONOMY BRAND" DEVELOPING FOOD. A specially prepared food, consisting of sound, clean, wholesome grains, free from dirt, for the development of young, growing stock about 6 weeks old. Used as an intermediate food between "Economy Brand" Chick and Scratch Foods. Prices, 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 80c., 50 lbs. \$1.45, 100 lbs. \$2.75.

ALFALFA MEAL. The leading green food substitute, containing from 14 to 17 per cent. protein. Feed freely in wet mash; or by itself, slightly moistened. Prices, 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.45, 100 lbs. \$2.50, 500 lbs. \$12.00, 2000 lbs. \$45.00.

BEEF SCRAP. The most economical and best meat food for poultry. Can be fed the year round by itself in a hopper, or in a 10 per cent. proportion mixed with other foods. Not the cheapest, but the best. Prices, 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 90c., 50 lbs. \$1.75, 100 lbs. \$3.25, 500 lbs. \$16.00, 2000 lbs. \$63.00.

GROUND BONE MEAL (FINE). Indispensable to young chicks, turkeys, etc., preventing leg weakness. Mix with soft food, one teaspoonful for 25 small chicks. Prices, 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.40, 100 lbs. \$2.75.

CRUSHED RAW BONE (COARSE). A positive necessity for adult poultry, indispensable to laying fowls. It contains lime, animal matter, etc.; in fact, all of the constituents of an egg. Prices, 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.40, 100 lbs. \$2.75, 500 lbs. \$13.25, 2000 lbs. \$50.00.

CHARCOAL, COARSE or FINE. Aids digestion, purifies the blood and crop, regulates the bowels. Indispensable, and should be in the hopper at all times. Prices, 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.25, 100 lbs. \$2.25, 500 lbs. \$10.50, 1000 lbs. \$20.00.

GRIT. Put up in 3 sizes—coarse for fowls, medium for pigeons, and fine for young chicks. Clean and free from dust. Prices, 5 lbs. 10c., 10 lbs. 15c., 25 lbs. 30c., 50 lbs. 50c., 100 lbs. 75c., 500 lbs. \$3.50, 2000 lbs. \$13.00.

OYSTER SHELLS, GROUND. From clean, selected stock; ground, carefully screened, and free from dust. In two sizes, coarse and fine. Prices, 5 lbs. 10c., 10 lbs. 15c., 25 lbs. 30c., 50 lbs. 50c., 100 lbs. 75c., 500 lbs. \$3.50, 2000 lbs. \$13.00.

POULTRY REMEDIES

CONKEY'S CURES

Bronchitis Remedy. 50c., *postpaid*.
 Chicken-Pox Remedy. 50c. (P. P. 1 lb.)
 Cholera-Remedy. 25c. and 50c., *postpaid*.
 Fly Knocker. See Sundries.
 Gape Remedy. 50c., *postpaid*.
 Head Lice Ointment. 1-oz. tin 10c., 3-oz. tin 25c., *postpaid*.
 Healing Salve. 25c. and 50c., *postpaid*.
 Laxative for Poultry. 25c., *postpaid*.
 Laying Tonic. 1½ lbs. 25c. (P. P. 2 lbs.), 3¼ lbs. 50c. (P. P. 4 lbs.), 7 lbs. \$1.00 (P. P. 8 lbs.).
 Lice Liquid. 1 qt. 35c., 2 qts. 60c., 1 gal. \$1.00 (*not mailable*).
 Lice Powder. 15 ozs. 25c. (P. P. 1 lb.), 3 lbs. 50c. (P. P. 4 lbs.).
 Limber Neck Remedy. 50c. (P. P. 1 lb.).
 Nox-i-cide. A soluble disinfectant. Pt. 35c., qt. 60c., gal. \$1.50 (*not mailable*).
 Poultry Tonic. 25c. (P. P. 1 lb.).
 Roup Remedy. 25c., 50c. and \$1.00, *postpaid*.
 Scaly Leg Remedy. 25c., *postpaid*.
 White Diarrhea Remedy. 50c., *postpaid*.
 Worm Remedy. 50c., *postpaid*.
DR. HESS' POULTRY PAN-A-CE-A. Makes poultry healthy; makes hens lay. Not a stimulant, but a tonic. Worth a trial. We sell a lot of it. Price: 1½ lbs. 25c. (P. P. 2 lbs.), 5 lbs. 60c. (P. P. 6 lbs.), 12 lbs. \$1.25 (P. P. 13 lbs.), 25-lb. pail \$2.50.

PRATT'S REMEDIES

Chicken-Pox Remedy. 25c., *postpaid* 30c.
 Poultry Regulator. The standard regulator. Pkgs. 10c. (P. P. 1 lb.), 25c. (P. P. 3 lbs.), 50c. (P. P. 7 lbs.); 12-lb. pail \$1.25; 25 lbs. \$2.25.
 Roup Cure. Pkg. 25c., *postpaid* 30c.
 Sore Head Remedy. Pkg. 25c., *postpaid* 30c.
 White Diarrhea Remedy. 25c., *postpaid* 30c.

RUST'S REMEDIES

Egg Producer. Have your fowls stopped laying? This will start them again. Lb. 25c. (P. P. 2 lbs.), 2½ lbs. 50c. (P. P. 3 lbs.), 6 lbs. \$1.00 (P. P. 7 lbs.), 25 lbs. \$3.50.
Rust's Havens Climax Powder. Needs but a trial and you become a steady user. A preparation by itself. Mix 1 lb. to 12 lbs. Wheat-Middlings. Improves digestion and assimilation. Price: 13-oz. pkg. 25c. (P. P. 1 lb.), 2 lbs. 50c. (P. P. 3 lbs.), 5 lbs. \$1.00 (P. P. 6 lbs.), 20 lbs. \$3.50.
 Lice Killing Powder. Pkg. 10c. (P. P. 1 lb.), lb. 25c. (P. P. 2 lbs.), 3 lbs. 50c. (P. P. 4 lbs.).
 Liquid Lice Killer. Qt. 35c., 2 qts. 60c., gal. \$1.00 (*not mailable*).
 Roup Pills. 25c. and 50c., *postpaid*.
 Roup Powder. 25c., *postpaid* 30c.
 Rust's Soluble Roup Powder. 9 ozs. 50c. (P. P. 1 lb.).

SMITH'S REMEDIES

Chicken-Pox Ointment. 25c., *postpaid* 30c.
 Germicide. 25c. and 50c. (*not mailable*).
 Head Lice Ointment. 15c., *postpaid* 20c.; 25c., *postpaid* 30c.
 Insecticide (Powder). 10c. (P. P. 1 lb.), 25c. (P. P. 2 lbs.), 50c. (P. P. 3 lbs.).
 Insecticide. (Liquid). Qt. 35c. (*not mailable*).
 Roup Remedy. 25c., *postpaid* 30c.
 Roup Extractor. 50c. (*not mailable*).
WHITING'S ROUPENE. Will positively cure the most dreaded form of roup, namely, diphtheretic roup. Roupene will be found an infallible preventive and a sure cure for other forms of roup, canker, chicken-pox, sore head, gape and other diseases of the respiratory organs in fowls of all breeds. You do not have to isolate the sick fowls from the rest of the flock. By the use of Roupene it will save your little chicks from that dreaded disease, white diarrhea. Directions on bottle. Price: 50c., *postpaid* 55c.; \$1.00, *postpaid* \$1.05.
 Whiting's White Diarrhea Remedy. 50c., *postpaid* 55c.; \$1.00, *postpaid*, \$1.05.

BUCKEYE INCUBATORS

No. 14, Style E. 60 eggs.....\$7.50
 No. 15, Style H. 60 eggs..... 9.50
 No. 16, Style E. 110 eggs.....12.50
 No. 17, Style E. 200 eggs.....17.50
 No. 60, Standard. 60 eggs.....13.50
 No. 1, Standard. 110 eggs.....17.50
 No. 2, Standard. 175 eggs.....22.50
 No. 3, Standard. 250 eggs.....28.50
 No. 4, Standard. 350 eggs.....33.50
 No. 5, Standard. 600 eggs.....50.00

BUCKEYE BROODERS

No. 11 Indoor Portable. 75-100 chicks.....\$8.50
 No. 12 Indoor Portable. 150-175 chicks.....11.50
 No. 7 Indoor Klose Kontakt. 75 chicks.....12.50
 No. 8 Indoor Klose Kontakt. 150 chicks.....17.50
 No. 9 Outdoor Klose Kontakt. 75 chicks.....16.00
 No. 10 Outdoor Klose Kontakt. 150 chicks.....22.50
 No. 75 Portable Hover. 60-75 chicks..... 7.50
 No. 150 Portable Hover. 125-150 chicks..... 9.50

POULTRY SUNDRIES

EGG BOXES(*not prepaid*).

Ordinary Cardboard. Hold 1 doz. eggs (3x4), 15c. per doz., 65c. per 100, \$6.00 per 1000.
 Blue Suwanee. Heavy blue-lined cardboard, hold 1 doz. eggs. (2 x 6), 20c. per doz., \$1.00 per 100, \$9.00 per 1000.

EGG BOXES for Parcel Post (*not prepaid*).

The best made, having been thoroughly tried out in the mails.

Size	Wt. per M.	Doz.	100	1000
1 doz.	480 lbs.	\$0.55	\$4.10	\$38.40
2 doz.	780 lbs.	.80	6.10	57.60
3 doz.	1040 lbs.	1.10	8.15	76.80
4 doz.	1360 lbs.	1.35	10.20	96.00
5 doz.	1580 lbs.	1.60	11.75	110.00
6 doz.	1850 lbs.	2.00	13.60	128.00
10 doz.	2780 lbs.	2.90	20.40	192.00

FLY KNOCKER, Conkey's. Keeps flies off cattle, etc., in the Summer time. Applied with sprayer or sponge. Price, ½ gal. 60c., gal. \$1.00 (*not mailable*).

KNIVES, French Pattern Poultry Killing. Each 50c. (*postpaid*).

LEG BANDS.

Champion Aluminum Adjustable. Has double lock; impossible for them to come off. Price, *postpaid*: Doz. 15c., 50 for 50c., 100 for 80c.

Spirol, Celluloid. Made in nine colors of ½-inch round celluloid, key ring style. Price, 15c. per doz., \$1.00 per 100.

Pigeon and Baby Chick Size. 10c. per doz., 75c. per 100.

NEST EGGS (*not mailable*).

China. 2 for 5c., 25c. per doz., \$2.50 per gross.

Knox's Lice-Expelling. Made of naphthaline, just like a real egg. 5c. each, 50c. per doz., \$3.50 per 100.

Lime. Repulsive to lice and vermin; nest disinfectant; will not break. Durable and everlasting. 2 for 5c., doz. 25c., \$1.75 per 100.

"O. K." LITTER. Best for poultry coops, etc. No odor, Price per bale (*not prepaid*), \$2.40; in 5-bale lots, \$2.25.

THERMOMETERS, Brooder, Cornell, 50c.
 Incubator, Standard 50c., Buckeye 75c.

FREE DELIVERY FOR NEWARK AND SUBURBS, THE ORANGES AND VICINITY

We deliver by our own wagons any goods bought from this catalogue as follows:

MONDAY—Clinton Hill section, Irvington, Hilton, South Orange, Vailsburgh.

TUESDAY—East Orange, Orange, West Orange.

WEDNESDAY—Down Neck, Harrison, Kearny, Arlington.

THURSDAY—Woodside, Belleville, Silver Lake, Bloomfield.

FRIDAY—Clinton Hill section, Irvington, Vailsburgh, East Orange, Orange, West Orange.

SATURDAY—Down Neck, Woodside, Roseville.

Parcel Post weights are indicated above on mailable articles. If ordered by mail, allow extra for postage. See inside front cover.

FEEDERS, FOUNTAINS, ETC.

MOE'S ROUND FEED SAVING HOPPER



Made round so that it will accommodate more birds at one time than any other hopper on the market.



We absolutely guarantee that this hopper will not clog. Manufactured of the best grade of galvanized iron.

No. 8, Moe's Round Hopper, $\frac{1}{2}$ bu. capacity. \$1.00

MOE'S ROUND BABY CHICK FEEDER



The most convenient and commodious feeder on the market.



Can also be used for water. Manufactured in two sizes.

No. 11, small size.....\$0.15

No. 12, large size......25

MOE'S FEED SAVING HOPPER



Cuts down your feed bill. Improves the quality of your birds.



Feed can't clog on account of simplicity of construction. Manufactured in one size only.

No. 6 Feed Saving Hopper, capacity $\frac{1}{2}$ bu...\$1.50

MOE'S NEVER CLOG AND WASTE PROOF HOPPER



A trial will convince you that it is a hopper of the greatest merit



The gradual enlargement to the base, together with the vibration caused by the fowls feeding from the trough, will force the feed downward. Every safeguard has been placed in the construction of the trough to prevent the birds from throwing out the feed. Large in capacity. Small in price. Manufactured of the best grade of galvanized iron, in three sizes.

No. 35, $8\frac{1}{2}$ in. wide, 12 qt. capacity.....\$0.65

No. 36, 12 in. wide, 18 qt. capacity..... 1.00

No. 37, 24 in. wide, 36 qt. capacity..... 1.50

MOE'S NEVER FAIL TRAP NEST



A solution of all trap nest troubles.



As the name implies, it never fails. Every nest set up and ready for use when shipped. Manufactured in two sizes.

No. 33, 12x12x12 in., complete.....\$0.75

No. 34, for larger fowls, 12x12x14 $\frac{1}{2}$ in., complete..... 1.00

MOE'S SANITARY BROODER FOUNTAIN



Little Chicks can't get wet. Sits in corner of brooder. Takes up little room. Can't be upset.



If desired can be hung up by hook which is on top of each fountain. Manufactured in two sizes.

No. 0, 1 qt. capacity.....\$0.25

No. 5, 1 gal. capacity..... .50

MOE'S GRIT AND SHELL BOXES



Can also be used as a Feed Hopper for little Chicks.



Grit, shell and charcoal has now become a recognized essential part of the diet, insuring healthy fowls, and it cannot be more economically supplied than in one of these triple compartment boxes.

No. 9, Moe's Grit Box, capacity about $\frac{1}{2}$ bu..\$0.50

No. 90, four compartments..... .75

MOE'S SANITARY POULTRY DRINKING FOUNTAIN



The most popular Fountain on the market.



Fills from the top. Dead air space keeps water cool in Summer and from freezing in Winter. Now made with square pan, which does away with spilling when hung up. Can be used for two pens at the same time. Manufactured in three sizes.

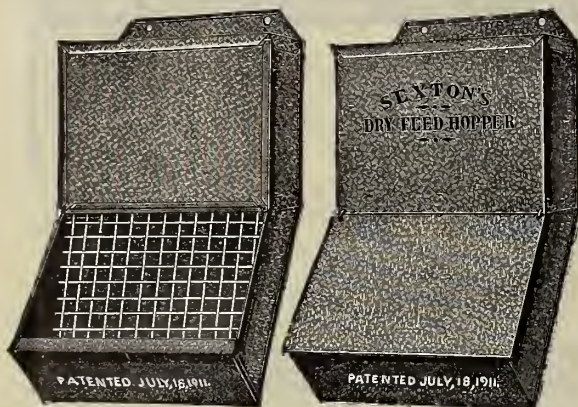
No. 1, 1 gal. capacity.....\$1.25

No. 2, 2 gal. capacity..... 1.75

No. 4, 4 gal. capacity..... 2.25

FEEDERS, FOUNTAINS, ETC.

SEXTON'S DRY FEED HOPPER



Easy to fill, no waste, rat-proof, dust-proof. Pronounced to be the best hopper offered. Simple in construction, easily operated, and absolutely rat- and mouse-proof.

The lower cover is so arranged that it is held up by locking the top cover of hopper over same and by raising the top cover the lower cover will fall in place. This hopper is arranged to hang on the wall the desired distance from the floor, and never need be removed from the wall to be refilled. It is impossible to waste any feed as the pan at the bottom takes any feed that may be picked out and the last crumb can be used, therefore saving any waste. The body being covered, keeps feed dust-proof and clean, and is always dry. Body made of galvanized iron and the grating is of round, galvanized wire, preventing the poultry from cutting their bills.

Made in three sizes:

No. 5, 24 qts. capacity.	Each	\$1.50
No. 1, 12 qts. capacity.		1.00
No. 2, 3 qts. capacity (chick size).		.75

APEX CHICK FEEDERS

Are made for brooder purposes, and are so arranged that the feed is always directly under the holes through which the chicks feed. They are made single and double.

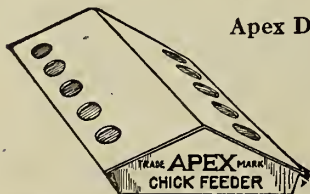
Apex Single Feeders. Are made with hinged top, which gives free access to fill or clean. Made in sizes of 3, 6, 9 and 12 holes.

3-hole	Each	Doz.
	\$0.25	\$2.75
6-hole	.40	4.40



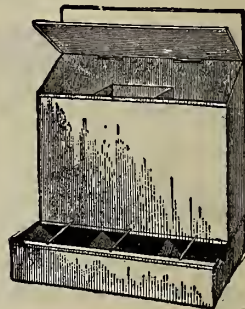
Apex Double Feeders. Are made with patent slip top. Same gives free access to fill and clean.

	Each	Doz.
6 hole.	\$0.45	\$4.80
10 hole.	.60	6.50



1-2-3 SHELL, GRIT and CHARCOAL FEEDER

A very convenient size for a pen of fowl. Will serve for one, two or three kinds of feed by using the separator. Price, 50c.



ECONOMY OATS SPROUTER

The Natural Process for Sprouting. Contains five sprouting pans and one drip pan 16 x 17 inches. Iron rack is 35 inches high. By feeding sprouted oats through the Winter, egg production can be kept up to a much larger degree than otherwise. Price, \$5.50.

SEXTON'S AUTOMATIC POULTRY FEEDER

When feeder is first put up, scatter a few grains of feed in the recess at bottom of spreader. The fowl will then pick at the grain and in so doing will cause the rod to vibrate, which makes more grain drop from the hopper on to the spreader.

The set screw adjustment is so constructed that grain may be fed fast or slowly as desired.

Simple in construction, nothing to get out of order, and will last a lifetime.

Is a great labor-saving device.

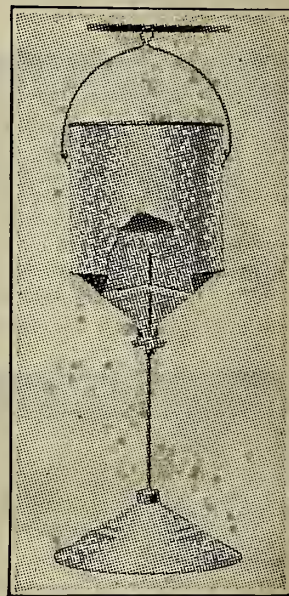
Will pay for itself in a short time as the feed is not wasted and it keeps the fowl busy and healthy.

Suspend feeder in house having the lower part of the spreader about 10 inches from the floor.

Made of galvanized iron in three sizes:

No. 1 size, 12 quarts.	Each	\$1.50
No. 2 size, 18 quarts.		1.75
No. 3 size, 30 quarts.		2.50

A perfect feeder at the right price. Sold with an absolute guarantee.



From

Address.....

.....

Use This Envelope

When Sending Us Your Orders

PLACE
POSTAGE
STAMP
HERE

J. F. NOLL & CO.

115 Mulberry Street

Newark, N. J.

Be sure
you get a copy of

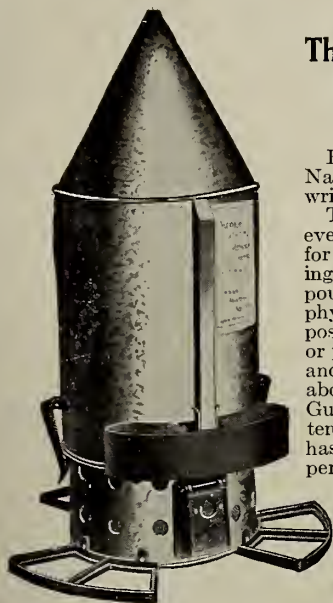
NOLL'S GARDEN GUIDE

Full of information you need on the growing of

FLOWERS, VEGETABLES, FRUITS, HARDY PLANTS
SHRUBBERY, LAWNS, HEDGES, ETC.

Sells regularly for 25 cents

WITH FIRST PURCHASE OF
FREE ONE DOLLAR OR OVER



The Norwich Automatic Air-Lock Fountain

Bears the label of the National Board of Underwriters.

The most perfect device ever placed on the market for automatically supplying pure, fresh water in the poultry house. It is a physical and absolute impossibility to contaminate or pollute the water supply, and requires cleaning only about once in three months. Guaranteed frost-proof to ten degrees below zero, and has been operated at temperatures of fifteen and twenty below without being affected. Fitted with detachable cup, removable oil chamber, heat generator, etc.

PRICE

Made in one size only, 5 gal. capacity. Shipping weight 15 lbs.
Complete with burner base.....\$3.00
Without burner base..... 2.00

Norwich Automatic Exerciser and Feeder

The feeder is operated by the birds rotating the bait bar, and the grain, escaping from the hopper, rattles down on the deflector and is scattered on the floor or in the litter in a wide, even circle. The birds are kept constantly at work and in motion while feeding. Flow of grain stops instantly when bait bar stops revolving. Flow may be regulated by set valve; also height of bait bar from the ground may be adjusted by means of adjustable iron legs. Thousands upon thousands in use in every part of the civilized world. Operates with any grain or mixture; never out of order and will last a lifetime. Saves grain, saves labor, saves time. Increases egg production. Waste, rain, rat and bird-proof. Improves the flock.



	Actual Ship. Wght.	
No. 1. 8 qt. hopper	13 lbs.	\$2.50
No. 2. 14 qt. hopper	15 lbs.	3.25
No. 3. 20 qt. hopper	20 lbs.	4.10
No. 4. 32 qt. hopper	27 lbs.	5.00

The Apaco Automatic Poultry Feeder

Similar to above feeder, but without the legs. Is suspended from above. A popular feeder at a popular price. Made with 12 qt. hopper, only \$1.00.

Peerless Drinking Fountain



The Peerless Drinking Fountain is right. The water is always pure. It is protected from dirt and filth. Easy to clean and fill, and fowl cannot injure their combs when drinking. Simple in construction, durable and practical. It is adjustable.

PRICES

Chick size	\$0.35
5 qt. size .....	.60
10 qt. size .....	.85

Norwich Automatic Dry Mash Hopper

This fills completely the long felt want among poultrymen for a reliable, dependable, waste-proof Mash Feeder.

The hopper body is 9 inches in diameter by 27 inches in length, and has a capacity of 20 qts. Contrary to all principles, the bottom of the hopper is a depending angle cone ending in a 3-inch spout or collar—just the construction to induce clogging!

The feed basin is an open, round-bottomed trough swung in position under the spout by two vibrator rods which pass through the spout and hopper body and are attached to an adjustable cross bar near the top. The feed basin thus suspended has therefore universal movement and the very act of the birds feeding at the basin causes the rods to vibrate and the vibration absolutely and completely precludes clogging.

Made in one size only, 20 qts. capacity.

Without rain guard (as in cut) shipping weight 6 lbs. \$2.00
With rain guard, shipping weight 8 lbs. 2.75



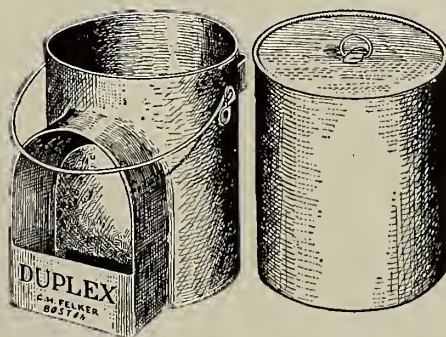
Mann's Green Bone and Vegetable Cutter

For flocks of 40 to 100 hens use No. 7. For flocks of more than 100 we recommend No. 9.

Patented New Model automatic governing spring feed. Large, open-hinged cylinder, giving instant access to all working parts. Six special knives. Gear guard, anti-clog device. Heavy balance wheel, with adjustable handle, besides all the best features of our old style machines.

No. 5 C, with crank handle.....	\$6.00
No. 5 B, with balance wheel.....	8.00
No. 5 B M, with balance wheel and iron stand.....	10.40
No. 7, with balance wheel and iron stand.....	12.00
No. 7 1/2, semi-power machine.....	16.00
No. 9, with balance wheel and iron stand.....	18.40
No. 11, power machine.....	26.00
No. 12, power machine.....	30.00
No. 15, power machine.....	60.00
No. 14, power machine.....	76.00
No. 18, power machine.....	100.00

The Duplex Fountain



The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill—easy to care for. Made in two sizes. Try a duplex.

4-quart.....60c. 8-quart.....85c.

J. F. NOLL & CO., INC.

ALEX. FORBES - President

115 MULBERRY STREET, NEWARK, N. J.



THE "FORBES" LAWN GRASS
See Page 11



NOLL'S PERMANENT PASTURE
See Page 12



NOLL'S GRASS MIXTURE FOR GOLF COURSE
See Page 12